

ABSTRACT OF THE DISCLOSURE

A journal write unit writes journal data into a third storage device. The journal data includes an identifier of a logical volume in a first storage device into which data has been written, information of a location in which the data is stored in the logical volume, update time which is current time acquired from a timing mechanism, and the data. A second write unit refers to update time of the journal data stored in the third storage device, selects journal data for which a difference between current time acquired from the timing mechanism and the update time is longer than a detection time stored in the third storage device, and writes the data into a place indicated by the location information, in a logical volume in the second storage device in the order of update time in the selected journal data.